

Special Issue

Molecular Biology of Disease Resistance in Rice and Soybean

Message from the Guest Editor

Rice and soybean are two of the most important crops in the world. Rice provides staple food for more than half of the world's population, and soybean provides abundant vegetable protein and edible oil for human consumption and animal feed. It has been suggested that global crop production needs to double between 2005 and 2050 to meet the projected demands from a growing population and increasing consumption of meat and dairy products. On the other hand, recent estimates indicate that, at a global scale, 30% of rice and 21.4% of soybean yields are lost annually due to diseases caused by pathogens and pests. In addition, climate change and global trade and transport growth may further accelerate the emergence of new pathogens and the outbreak of plant diseases. Therefore, it is more important than ever to better understand the molecular basis of crop diseases and thereby propose new and innovative control strategies. In this Special Issue, we invite original submissions that address molecular genetics, pathology, and molecular-based diagnosis and management of rice and soybean diseases.

Guest Editor

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